

Substitute Form PTO-1449

(Modified)

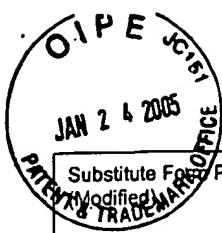
U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
15775-029001Application No.
09/945,265
**Information Disclosure Statement
by Applicant**
 (Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Timothy A. Springer et alFiling Date
August 31, 2001Group Art Unit
1644**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
m H	FA	Bajt, J.L. et al, <i>Characterization of a gain of function mutation of integrin alpha IIb beta 3 (platelet glycoprotein IIb-IIIa)</i> , J. Biol. Chem. 5 November 1992, Vol 267, No. 31, pages 22211-22216 (1992)
m H	FB	Salas, A., et al., <i>Transition from rolling to firm adhesion is regulated by the conformation of the I domain of the integrin lymphocyte function-associated antigen-1</i> . J. Biol. Chem. 27 December 2002, Vol. 277, No. 52, pages 50255-50262 (2002)
m H	FC	Takagi, J., et al., <i>Global conformational rearrangements in integrin extracellular domains in outside-in and inside-out signaling</i> . Cell. 6 September 2002, Vol. 110, No. 5, pages 599-611 (2002)
	FD	

Examiner Signature	Maker Haddad	Date Considered
3/28/05		
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		



Sheet 1 of 3

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U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
m H	CA	2001-0031260	18 Oct. 2001	Lee et al.			
	CB	5,284,931	8 Feb. 1994	Springer, et al.			
	CC	5,288,854	22 Feb. 1994	Diamond, et al.			
	CD	5,395,929	7 Mar. 1995	Corbi , et al.			
	CE	5,460,945	24 Oct. 1995	Springer, et al.			
	CF	5,475,091	12 Dec. 1995	Springer, et al.			
	CG	5,489,533	6 Feb. 1996	Springer, et al.			
	CH	5,512,660	30 Apr. 1996	Springer, et al.			
	CI	5,514,555	7 May 1996	Springer, et al.			
	CJ	5,565,550	15 Oct. 1996	Springer, et al.			
	CK	5,599,676	4 Feb. 1997	Vonderheide , et al.			
	CL	5,612,216	18 Mar. 1997	Springer, et al.			
	CM	5,622,700	22 Apr. 1997	Jardieu et al.			
	CN	5,629,162	13 May 1997	deFougerolles , et al.			
	CO	5,686,265	11 Nov. 1997	Corbi , et al.			
	CP	5,739,032	14 Apr. 1998	Springer et al.			
	CQ	5,747,035	5 May 1998	Presta et al.			
	CR	5,821,337	13 Oct. 1998	Carter et al.			
	CS	5,831,036	3 Nov. 1998	Springer et al.			
	CT	5,849,896	15 Dec. 1998	Springer et al.			
	CU	5,869,046	9 Feb. 1999	Presta et al.			
	CV	5,877,295	2 Mar. 1999	Diamond et al.			
	CW	5,891,841	6 Apr. 1999	deFougerolles et al.			
	CX	5,914,112	22 June 1999	Bednar et al.			
	CY	5,948,758	7 Sep. 1999	Springer et al.			
↓	CZ	6,030,947	29 Feb. 2000	Corbi et al.			
m H	DA	6,037,454	14 Mar. 2000	Jardieu et al.			

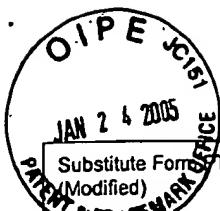
Examiner Signature

Maher Haddad

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Sheet 2 of 3

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Applicant
Timothy A. Springer et al

Filing Date
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Group Art Unit
1644

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
m+t	DB	6,096,871	1 Aug. 2000	Presta et al.			
	DC	6,121,022	19 Sept. 2000	Presta et al.			
	DD	6,121,428	19 Sept. 2000	Blank et al.			
	DE	6,358,510	19 Mar. 2002	Springer et al.			
	DF	6,436,403	20 Aug. 2002	Springer et al.			
	DG	6,511,664	28 Jan. 2003	Springer et al.			
	DH	6,582,698	4 Mar. 2003	Mizutani et al.			
	DI	6,683,158	27 Jan. 2004	Springer et al.			
↓	DJ	6,777,191	17 Aug. 2004	Springer et al.			
m+t	DK	6,797,270	28 Sep. 2004	Springer et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
m+t	DL	EP 440 351	7 Aug. 91	EPO				
m+t	DM	WO 94/04188	3 Mar. 1994	WIPO				
	DN							
	DO							
	DP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
m+t	DQ	Oxvig et al., <i>Conformational changes in tertiary structure near the ligand binding site of an integrin I domain</i> , PNAS, 96: 2215-2200 (1999)
m+t	DR	Landis et al., <i>Involvement of the "I" Domain of the LFA-1 in Selective Binding to Ligands ICAM-1 and ICAM-3</i> , J. Cell. Biol., 126:529-537 (1994)
m+t	DS	Landis et al., <i>A Novel LFA-1 Activation Epitope Maps to the I Domain</i> , J. Cell. Biol., 120:1519-1527 (1993)
m+t	DT	Larson et al., <i>Primary Structure of the Leukocyte Function-associated Molecule 1α Subunit: an Integrin with an Embedded Domain Defining a Protein Superfamily</i> , J. Cell Biol., 108:703-712 (1989)
m+t	DU	Dransfield et al., <i>Interaction of Leukocyte Integrins with Ligand Is Necessary but Not Sufficient for Function</i> , J. Cell. Biol., 116:1527-1535 (1992)

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Date Considered

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		Applicant Timothy A. Springer et al		
		Filing Date August 31, 2001	Group Art Unit 1644	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
mH	DV	Bullard et al., <i>A polygenic mouse model of psoriasisiform skin disease in CD18-deficient mice</i> , PNAS, 93: 2116-2121 (1996)
mH	DW	Huang et al., <i>A Binding Interface on the I Domain of Lymphocyte Function-associated Antigen-1 (LFA-1) Required for Specific Interaction with Intercellular Adhesion molecule 1 (ICAM-1)</i> , J. Biol. Chem., 270:19008-19016 (1995)
mH	DX	Dransfield et al, <i>Divalent Cation Regulation of the Function of the Leukocyte Integrin LFA-1</i> , J. Cell Biol., 116:219-226 (1992)
mH	DY	Champe et al., <i>Monoclonal Antibodies That Block the Activity of Leukocyte Function-associated Antigen 1 Recognize Three Discrete Epitopes in the Inserted Domain of CA11a</i> , J. Bio.; Chem., 270:3 1388-1394 (1995)
mH	DZ	Kooyk et al., <i>Activation of LFA-1 through the Ca²⁺-dependent Epitope Stimulates Lymphocyte Adhesion</i> , J. Cell Biol., 112:345-354 (1991)
moff	EA	Keizer et al., <i>A Monoclonal Antibody (NKI-L16) Directed against a Unique Epitope on the α-chain of Human Leukocyte Function Associated Antigen I . . .</i> , J. Immunol 140:1393 (1988)
moff	EB	Qu et al., <i>Crystal structure of the I-domain from the CD11a/CD18 (LFA-1, α₄β₂) Integrin</i> , PNAS, 92:10277-10281 (1995)
moff	EC	— "National PBM Drug Monograph Efalizumab," www.vapbm.org p. 1-25 (February 2004).
	ED	
	EE	
	EF	
	EG	
	EH	
	EI	

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